



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 164

ENTRY YEAR: 2010
Compartment Acreage: 424
County: Cheboygan

Revision Date: April 18, 2008

Stand Examiner: Ken Phillips

Legal Description: T39N - R03W Sections 27 and 34.

Management Goals: To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

Soil and Topography: With the exception of a few isolated pockets of seasonally dry soils, this compartment is primarily composed of poorly drained soils on flat topography.

Ownership Patterns, Development, and Land Use in and Around the Compartment: There is an area of undeveloped small parcels located within the eastern portion of Section 34. The State currently owns the majority of these small parcels and is attempting to acquire others as they become available through delinquent tax sales.

Unique, Natural Features: None were identified.

Archeological, Historical, and Cultural Features: None were identified.

Special Management Designations or Considerations: Potential management activities are severely restricted due to wet soils and poor access.

Watershed and Fisheries Considerations: This compartment contains an unnamed tributary to Lake Huron. A minimum buffer (no clear-cut) of 100 feet should be maintained along this stream.

Wildlife Habitat Considerations: This small compartment lies in the northeast corner of Cheboygan County along US23 south of Lake Huron. This compartment contains mostly lowland areas with upland ridges and islands. The area is utilized by deer, bear, and snowshoe hare. Stands 17 and 19 will be clear cut to regenerate aspen benefiting early successional habitat benefiting grouse, woodcock, and deer. Stands 9 and 5 are going to be cut non-commercially to provide down woody debris benefiting bobcat, bears, and various amphibian species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and dune sand. The glacial drift thickness varies between 50 and 100 feet. The Devonian Bois Blanc Formation subcrops below the glacial drift. The Bois Blanc could be/is quarried for stone. Sand and gravel pits are located in Section 35 and potential is good. The nearest oil and gas production, the Niagaran Reef Trend, is located many miles to the south. There is no known oil and gas potential in the area.

Vehicle Access: This compartment has no existing vehicle access. Walk in access is available off of Old Mackinaw Trail to the north and off of Hebron Mail Route Road to the east.

Survey Needs: None required.

Recreational Facilities and Opportunities: No recreational facilities exist and none are anticipated.

Fire Protection: This is an extremely wet compartment that poses limited wildfire threats.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 164

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	48																										48
C Cedar				15																							15
G Grass					2																						2
L Lowlnd Brush									33																		33
P Lowlnd Poplr										80																	80
N Marsh											17																17
Q Mx Swmp Cnfr												132															132
F Spruce Fir																			6								6
E Swamp Hrdwds																				8							8
U Upland Brush																								3			3
M Upland Hdwds																								80			80
Total	48			15	2				33	80	17	132							6	8				3	80		424

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: **164**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3583 Cds	Hardwood	1455 Cds
Softwood	1119 Cds	Softwood	43 Cds
Softwood	18 Mbf	Sum CutVol	1498 Cds
Sum TotVol	4738 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	48
424			

**Proposed Treatments
With NO Limiting Factors**

Compartment: 164

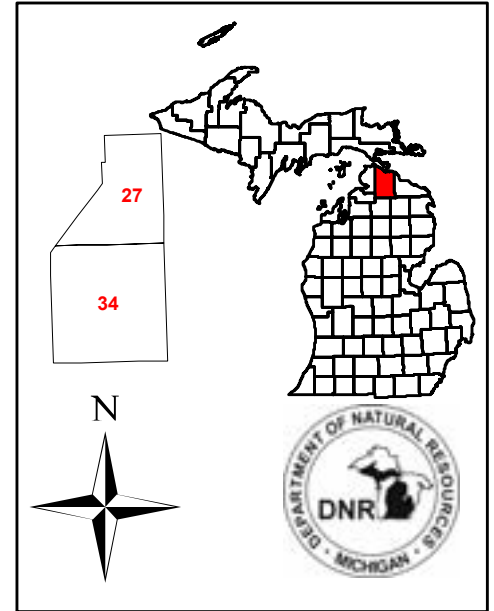
Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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Total Acres..... 0

Covertime & Treatment Map

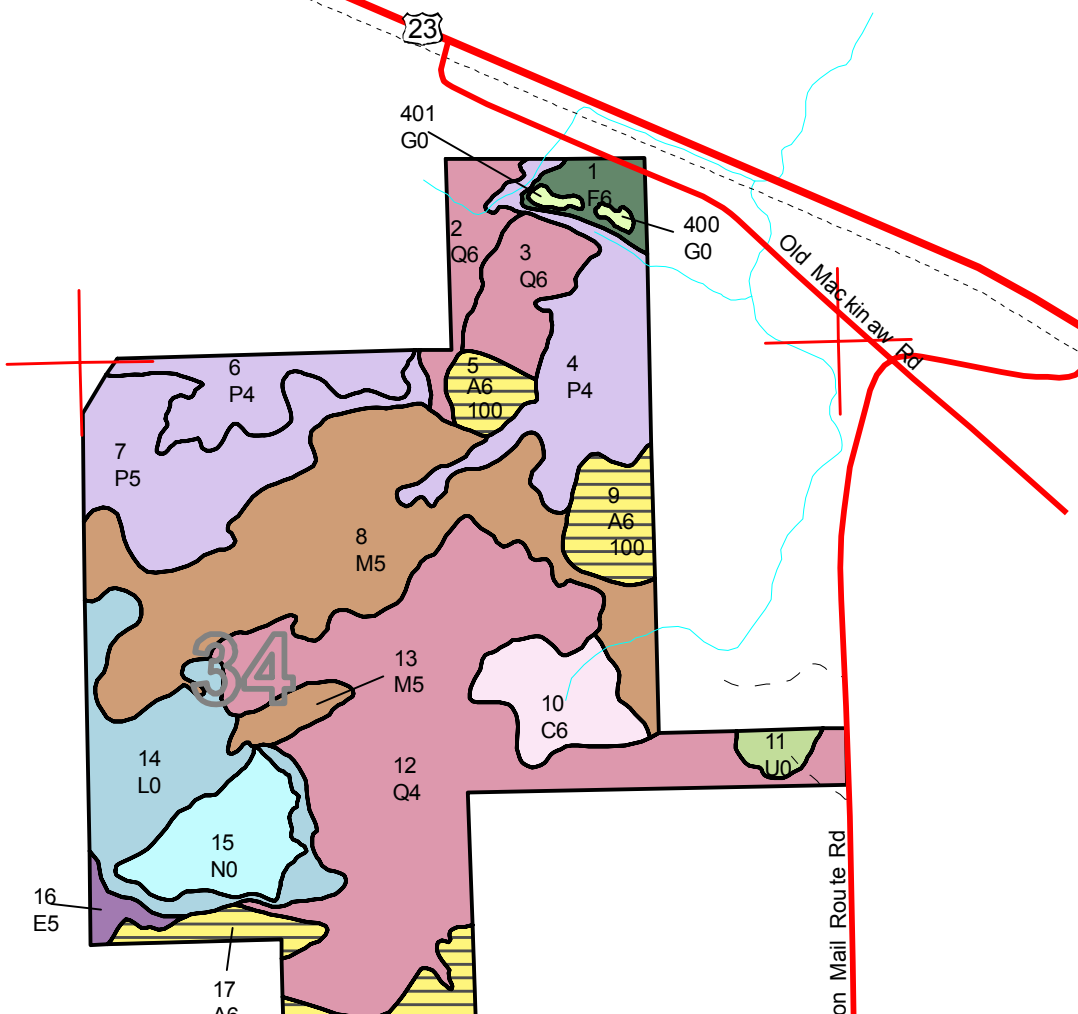
Compartment 164
 T39N, R03W, Sec. 27, 34
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 Map Revised: 5/28/2008
 Map Phase: Pre-Review



28

27

26



33

35

04

03

Legend

- Miris Corners
- Highways
- County Paved Roads
- - - Poor Dirt Roads
- · - · - Trails
- Water Features
- 23 US Highway
- Stand Boundary
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- U - Upland Brush
- 100 - Final Harvest



84°41'0"W 84°40'0"W 84°39'0"W

45°45'0"N

45°44'0"N

45°43'0"N

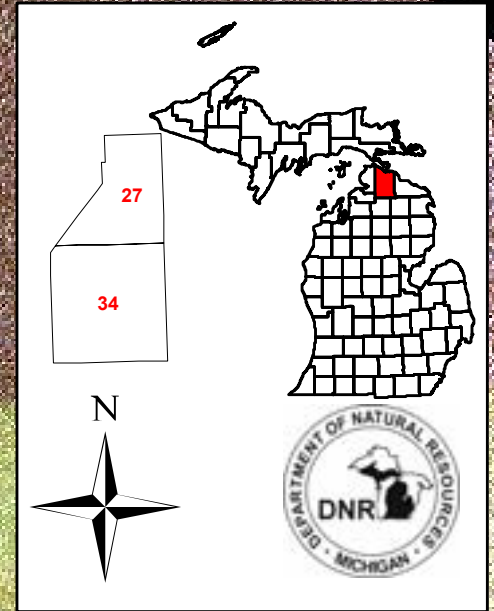
45°45'0"N

45°44'0"N

45°43'0"N

Stand Boundary Map

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28

27

23

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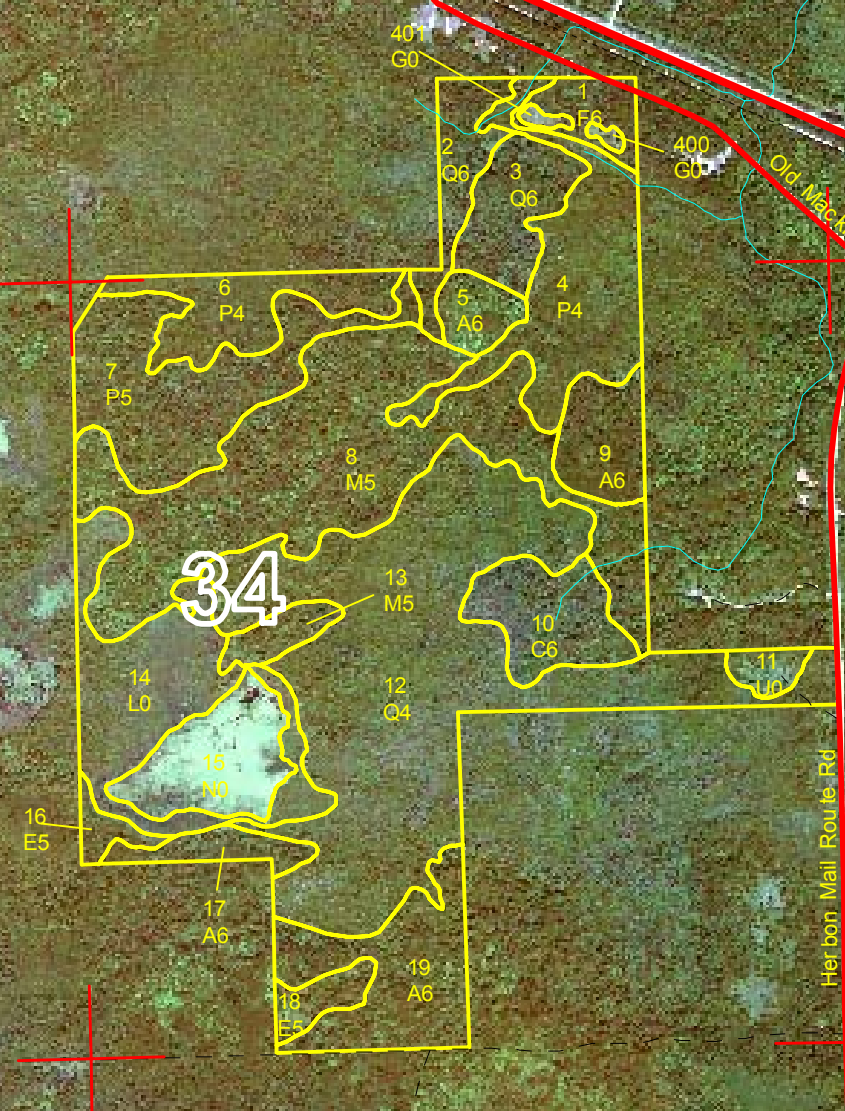
09

10

11

1 0.5 0 1 Miles

- Legend**
- Miris Corners
 - Highways
 - County Paved Roads
 - Poor Dirt Roads
 - Trails
 - Water Features
 - US Highway
 - Stand Boundary



84°41'0"W

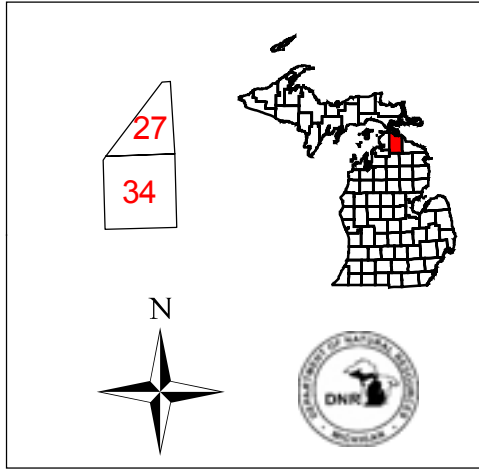
84°40'0"W

84°39'0"W

Dedicated & Proposed Special Conservation Area Map

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Legend

- Miris Corners
- Cold Water Streams
- Wildlife Management Areas
- Stand Boundaries

45°45'0"N

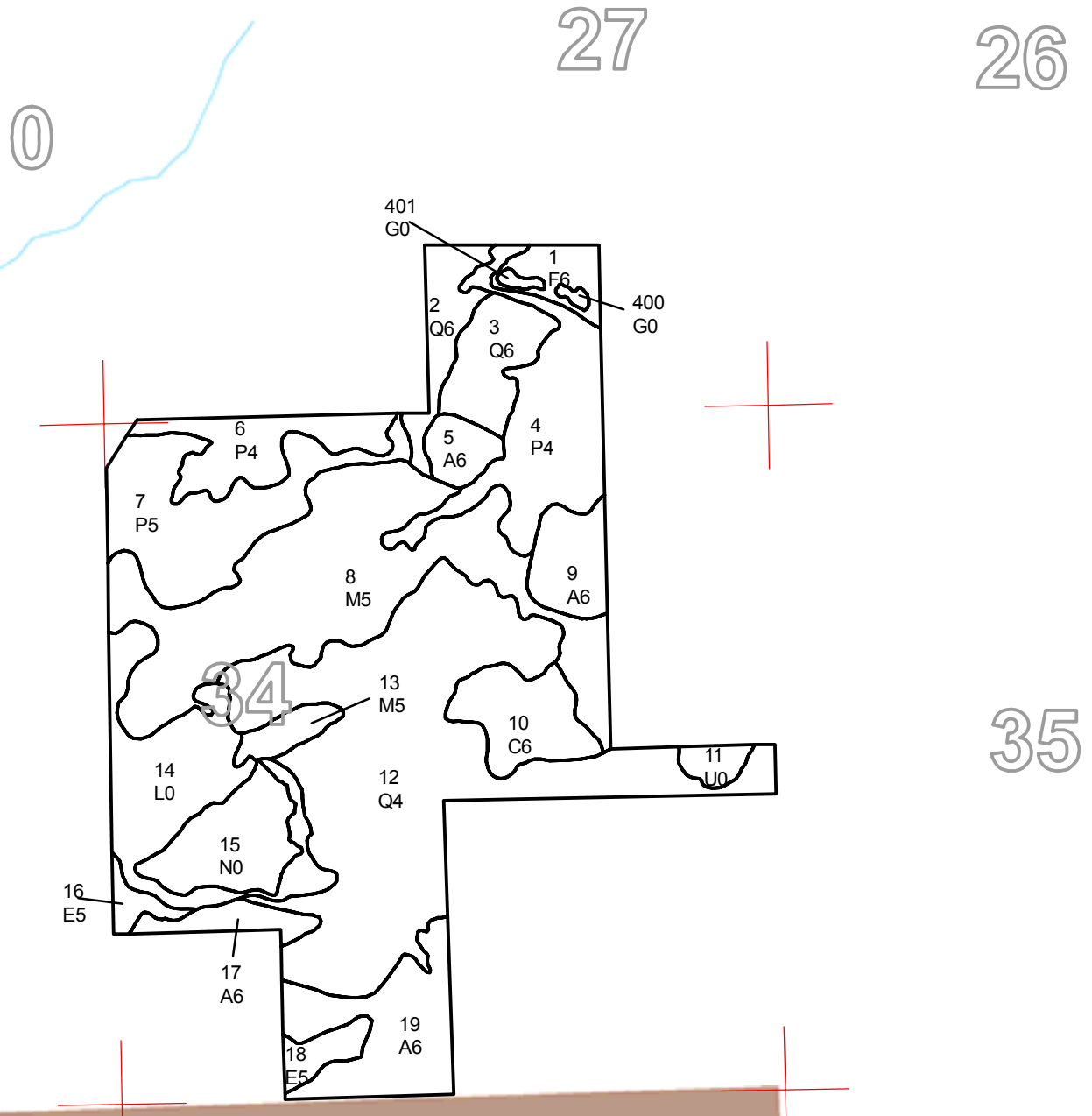
45°45'0"N

45°44'0"N

45°44'0"N

45°43'0"N

45°43'0"N



84°41'0"W

84°40'0"W

84°39'0"W



DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.